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- General coverage receivers from 1kHz to 2 GHz
- No upconverter needed
- Numerous built-in hardware filters
- Visualise the signals!
- Easier access to digital mode decoders than a traditional receiver
- Doubles as a lab tool (calibrated RF power meter, spectrum analyser)

SDRplay

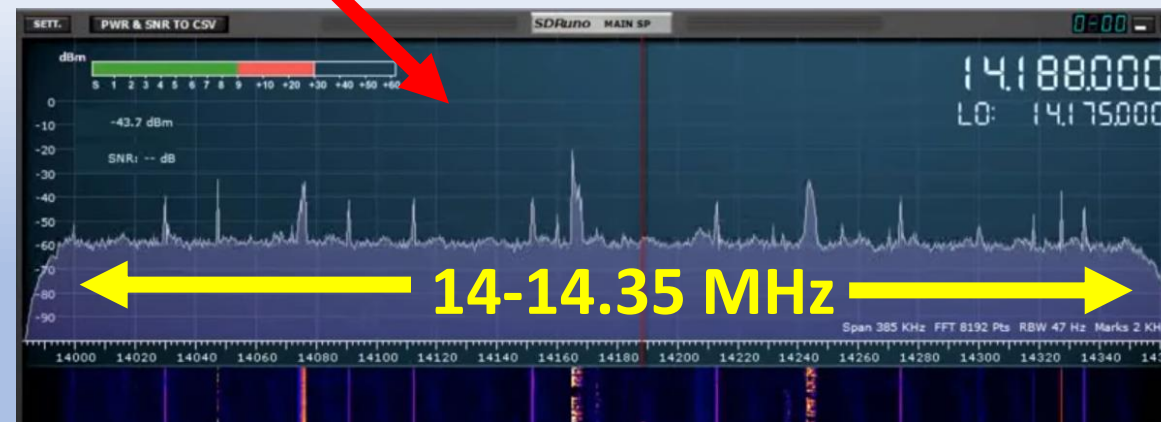


SDR receivers

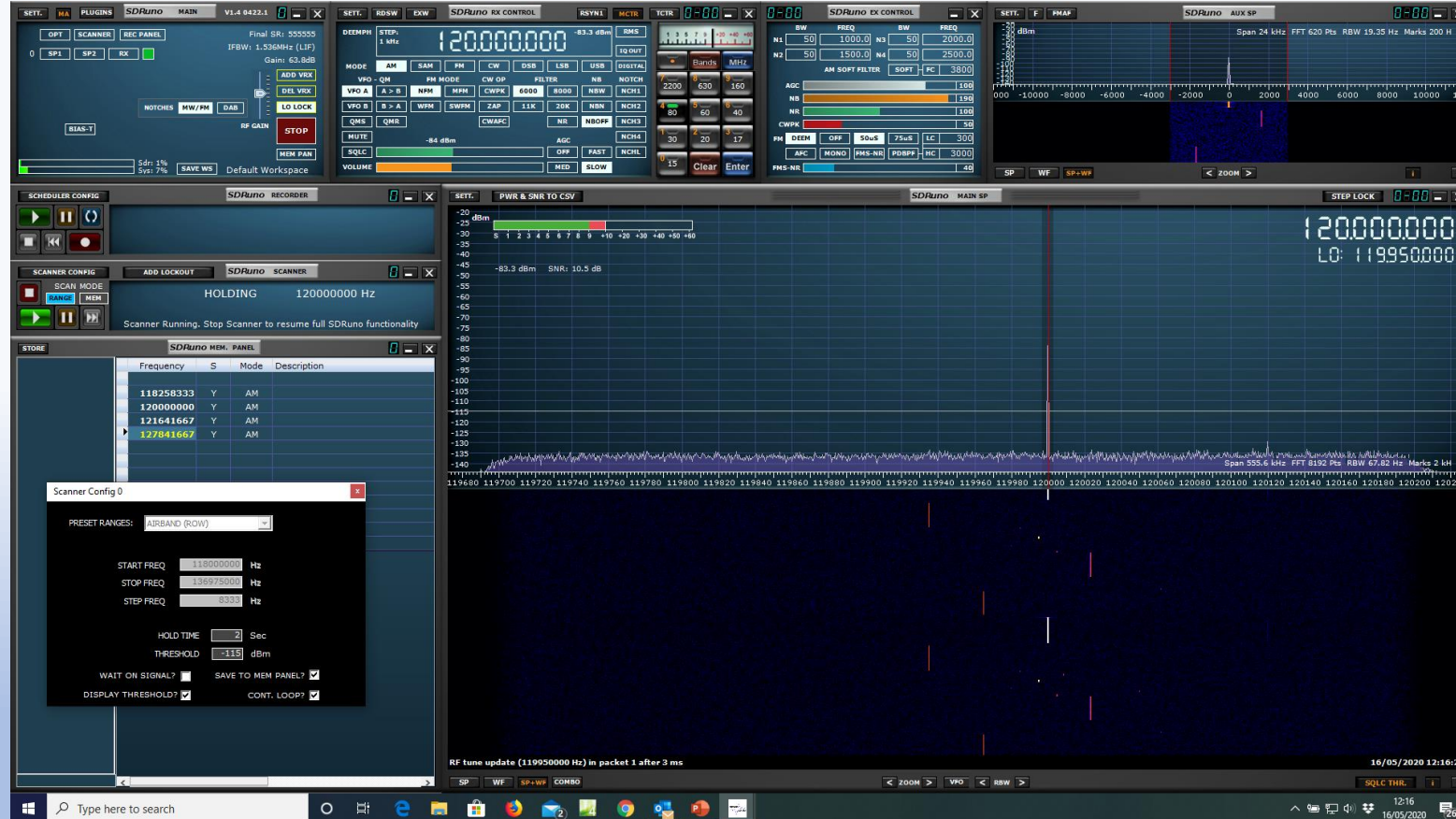


SDRuno Band Framing

*SDRuno Ham Band Framing:
"Ham Lower, 20m example)*



SDRuno Integrated Scanner



Scanner Config 0

PRESET RANGES: AIRBAND (ROW)

START FREQ 118000000 Hz

STOP FREQ 136975000 Hz

STEP FREQ 8333 Hz

HOLD TIME 2 Sec

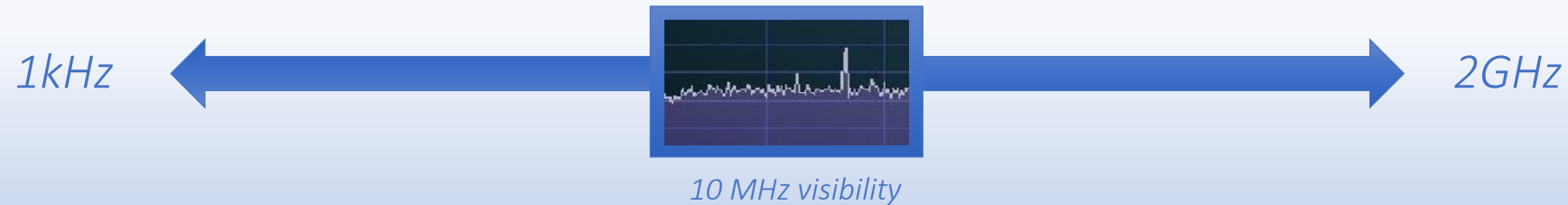
THRESHOLD -115 dBm

WAIT ON SIGNAL? ☐ SAVE TO MEM PANEL? ☒

DISPLAY THRESHOLD? ☒ CONT. LOOP? ☒

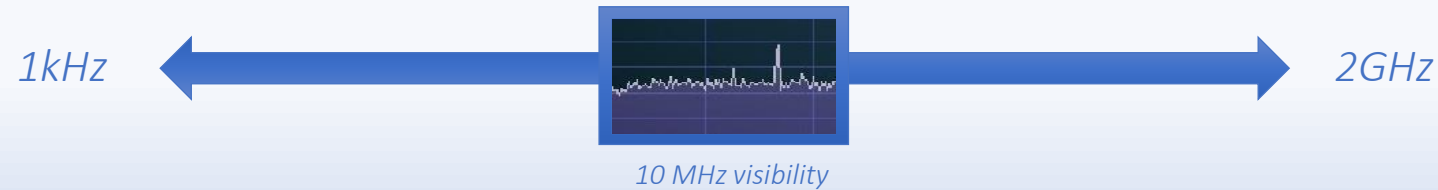


RSP1A



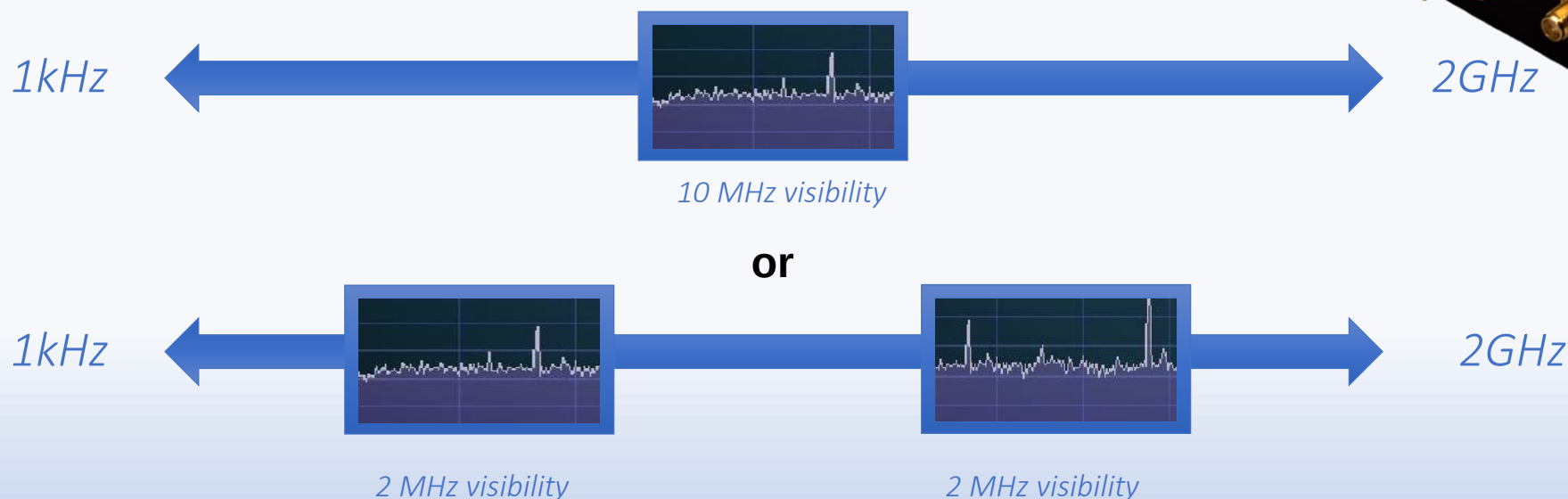
- A major upgrade to the original RSP1
- 1kHz – 2GHz coverage with up to 10MHz spectrum visibility
- All round functionality with single antenna port

RSPdx



- Complete redesign of the popular RSP2/RSP2pro
- 1kHz – 2GHz coverage with up to 10MHz spectrum visibility
- 3 software selectable antenna ports (2 x 50Ω SMA plus 50Ω BNC)
- Enhanced HF performance – large signal handling vs RSP2
- Outstanding performance below 2MHz using HDR and additional filtering (hardware and software)
- External clock input for GPS accuracy
- Rugged black painted steel case

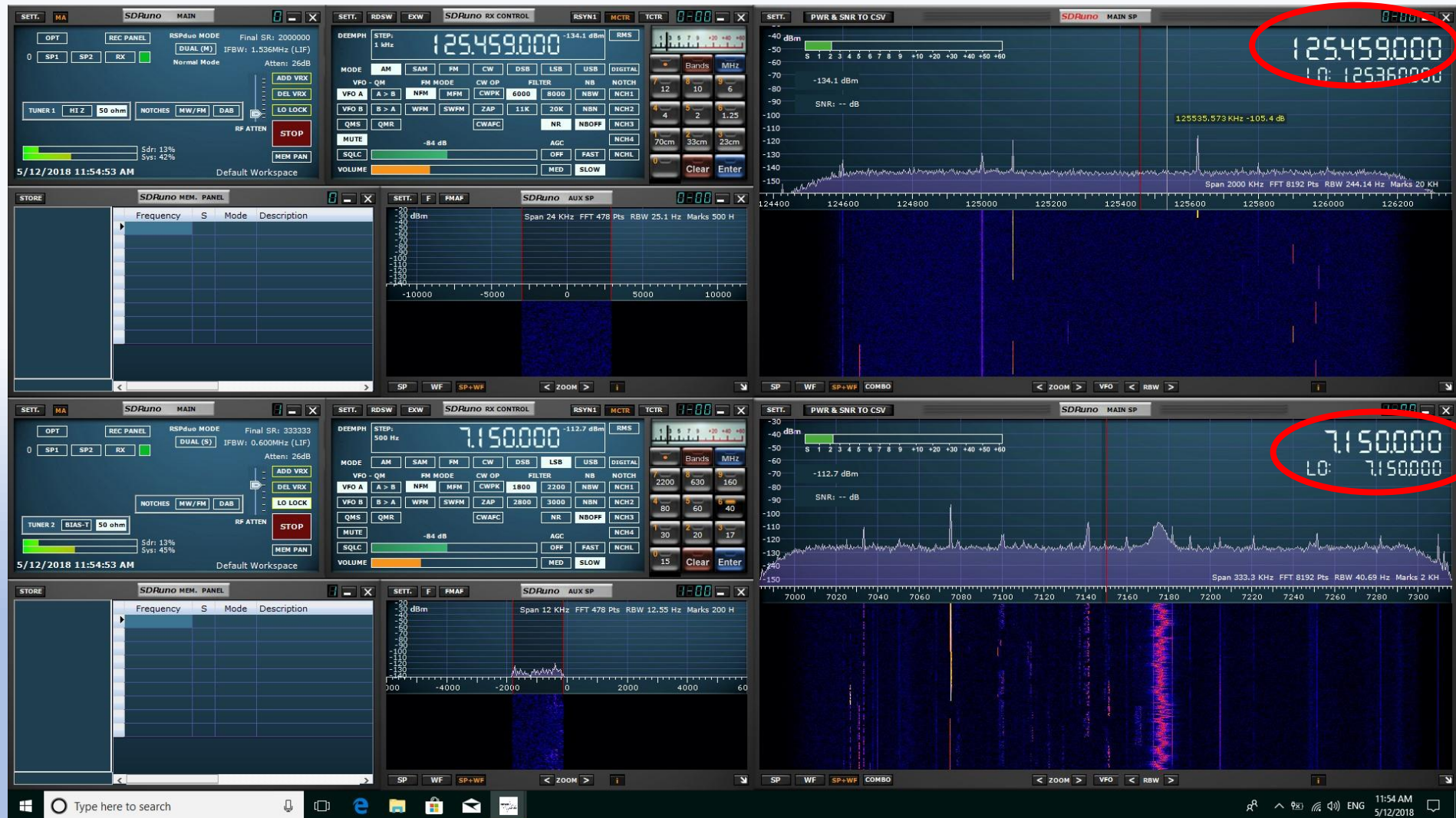
RSPduo



- Multiple antenna ports including a High Z port
- 1kHz – 2GHz coverage with up to 10MHz spectrum visibility or...
- 2 independent tuners giving 2MHz visibility anywhere from 1kHz to 2GHz
- Enables simultaneous real-time antenna comparisons
- Diversity reception using SDRuno

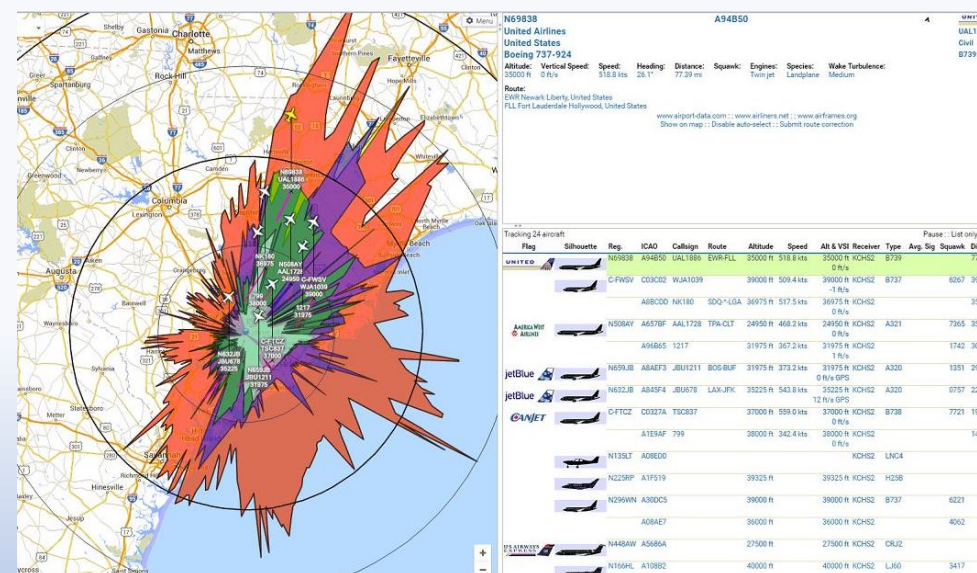
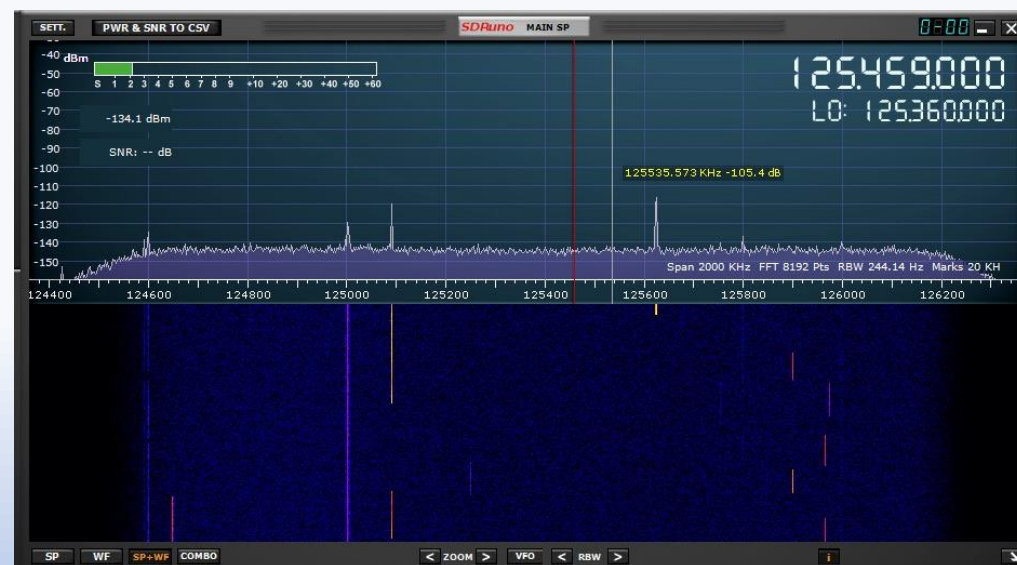


RSPduo & SDRuno - Monitoring 2 widely spaced bands, simultaneously





RSPduo – mix and match applications simultaneously



ATC

ADSB

SDRuno + RSPduo - Diversity Tuning



- RSPduo only
- MRC (Maximum Ratio Combination) for signal enhancement (Auto mode)
- Interference Rejection (Manual mode)



Comparison Chart



Key specifications and highlights

	RSP1A	RSPdx	RSPduo
Continuous coverage from 1kHz to 2GHz	✓	✓	✓
Up to 10MHz visible bandwidth	✓	✓	✓
14-bit ADC silicon technology plus multiple high-performance input filters	✓	✓	✓
Software selectable AM/FM & DAB broadcast band notch filters	✓	✓	✓
4.7V Bias-T for powering external remote antenna amplifier	✓	✓	✓
Powers over the USB cable with a simple type B socket	✓	✓	✓
50Ω SMA antenna input(s) for 1kHz to 2GHz operation (software	1	2	2
Additional software selectable Hi-Z input for up to 30MHz operation			✓
Additional software selectable 50Ω BNC input for up to 200MHz operation		✓	
Additional LF/VLF filter for below 500kHz		✓	
24MHz Reference clock input (+ output on RSPduo)		✓	✓
Dual tuners enabling reception on 2 totally independent 2MHz ranges			✓
Dual tuners enabling diversity reception using SDRuno			✓
Robust and strong plastic case (with internal RF shielding layer)	✓		
Rugged black painted steel case		✓	✓
Overall performance below 2MHz for MW and LF	Good	Best	Good
Multiple simultaneous applications	Good	Good	Best
Performance in challenging fading conditions (*using diversity tuning)	Good	Good	Best*



Applications.....

Broadcast monitoring (internet-proof)
Amateur Radio & Shortwave Radio Listening
Panadapter for existing transceiver
Broadcast DXing (AM/FM/TV)
Satellite comms
Satellite imaging (HF, L-band, GOES)
Weather fax
New digital mode decoding
WSPR
Aircraft (ADS-B and ATC)
RFI/EMC detection (data logging)
Spectrum Analyser

Radio Astronomy
SSTV
Passive Radar
RF Surveying
Ionosode
IoT projects
Spectrum monitoring
Emergency comms
Direction finding
AI-based tuning projects



Applications and Video guides: YouTube channel & Searchable catalogue

SDRplay

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APPLICATIONS AND SUPPORT CATALOGUE

The SDRplay Applications and Support Catalogue is your reference point for numerous Application Notes, Application Briefings, and more. You can browse through the entire list, or use the category drop-down to home in on your area of interest. Or you can just look for keywords and click on the corresponding icon for the YouTube Video or the PDF document. For more detailed information on each item, click or tap on the icons.

RSP hardware

Description click for more details		Created
AV001 Basic Introduction to SDR & RSP1A		05-Jun-2018
AB006 Basic Troubleshooting the RSP		20-Jul-2018
AN003 Setting up a panadapter		11-Oct-2017
AV017 More Panadapter Tips & Tricks		07-Sep-2018
AB005 Omnirig and Kenwood communications issues		19-Jun-2018
AN008 Using HRD with SDRUno		15-Mar-2018
WP003 Optimising RSP1A Performance below 60MHz		15-Mar-2018
AV019 Pre-selection filters of the RSP1 and RSP2		05-Aug-2017
AN003 RSP2 Reference Clock Usage		08-Dec-2016
AN002 Connection to the Hi-Z port		01-Dec-2016

www.youtube.com/c/SDRplayRSP

SDRplay Software Defined Radio Receiver

4,967 subscribers

CUSTOMISE CHANNEL CREATOR STUDIO

SDRplay reviews and demos

PLAY ALL

Here you will find lots of Reviews and demos of RSPs in use with SDRUno and 3rd party software - SDRplay continues to work with other software authors to update and improve functionality on

SDR Console V3.02 (Beta) for SDRplay RSPDuo Quick Test
SevenFortyOne
745 views • 2 months ago

SDRplay RSPduo Overview
hamradioscience
385 views • 1 month ago

SDRUno Panadapter Demo Part 1 - Basic Panadapter...
SDRplay Software Defined Rad...
1.6K views • 3 months ago

F6300vsDuo
AESX
1.9K views • 3 months ago

SDRplay RSP-1A and SDRUno Gen Coverage RX (#115)
David Casler
10K views • 8 months ago

SDRUno Video Guides

PLAY ALL

These are SDRUno video guides for the SDRplay RSP family. The "SDRUno USER GUIDE" can be downloaded from <http://www.sdrplay.com/downloads/> (under the "DOCUMENTATION" tab) For a

Using the SDRUno Record Function (AV019)
SDRplay Software Defined Rad...
142 views • 6 hours ago

More Panadapter Tips & Tricks (AV017)
SDRplay Software Defined Rad...
960 views • 2 weeks ago

More Panadapter Tips & Tricks (replaced)
SDRplay Software Defined Rad...
237 views • 3 weeks ago
Unlisted

SDRUno & RSP - Basic installation, troubleshooting...
SDRplay Software Defined Rad...
1.8K views • 2 months ago

Gain and AGC Settings in SDRUno (AN009)
SDRplay Software Defined Rad...
2K views • 3 months ago

Guides to using 3rd Part s/w (SDR-Console, HDSDR, CubicSDR etc.) with the RSP

PLAY ALL

SDRplay RSP 1 & 2 with SDR Console v3 (AV009)
SDRplay Software Defined Rad...
13K views • 1 year ago

SDRplay RSP1A with HDSDR (AV011)
SDRplay Software Defined Rad...
10K views • 9 months ago

SDR Console V3 Install Setup And Overview on SDRplay...
SevenFortyOne
7.7K views • 8 months ago

V3 SDR Console SDRplay RSP1A Install & Overview
SevenFortyOne
26:23

A step-by-step walk through of how to use the SDR-Console V3 Remote Server facility for popular SDR radios (Rev 2 - Updated Feb 13th 2018)
SevenFortyOne
14:21

SDR-Console remote access for SDR Radios
SDRplay Software Defined Rad...
4.1K views • 7 months ago

SDRplay RSP1 - SDR Console V3 installation, overview, an...
SevenFortyOne
20K views • 1 year ago

www.sdrplay.com/apps-catalogue/



Mike KD2KOG's informal YouTube Channel:



The banner image for the SDRplay Ham Guides YouTube channel. It features a dark blue background with a white spectrum analyzer waveform. In the center, the text "SDRplay Ham Guides" is written in a large, white, stylized font. Below the text, several SDRplay hardware units are displayed, including a large RSPduo Dual Tuner and several smaller RSP1B and RSP1A units. The bottom of the banner shows a frequency scale from 550 to 1450 kHz.

SDRplayHamGuides
1.23K subscribers

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Ham Guides with Mike KD2KOG

Welcome to SDRplay HAM Guides
1,878 views • 7 months ago

Welcome to the SDRplay Ham Guides YouTube Channel where Mike, KD2KOG shows you how to get the most out of your RSP.

Mike's focus is on providing tuition and help for all aspects of receiving radio signal at frequencies of 30MHz and below. This includes set up and use of SDRuno, and tips and techniques on key related topics such as propagation and antennas.

[READ MORE](#)

FEATURED CHANNELS

 SDRplay Software Defi...
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A row of five video thumbnails. The first three show SDR software interfaces with spectrum displays. The fourth shows a person's hands working on a desk with SDR equipment. The fifth shows a satellite image of Earth.

www.youtube.com/c/SDRplayHamGuides



SDRplay Facebook News Page:

A screenshot of the SDRplay Facebook page. The page layout includes a top navigation bar with links to Page, Inbox (24), Events, Notifications (99+), Insights, Publishing Tools, and More. On the left, the SDRplay profile picture (a black dongle) and name (@SDRPlay) are shown, along with a sidebar menu containing links to Home, Posts, Videos, Photos, About, Community, Reviews, and Events. The main content area features a post from Jon Hudson announcing the page's creation and providing links to an independent Facebook group and an SDRuno support group. Below the post is a large blue banner with the SDRplay logo and the text 'Welcome to the SDRplay Facebook Information Page', accompanied by an image of SDR hardware and software. The right sidebar displays statistics (4,436 follows, 2,041 post reach, 17 video views), a 'Community' section with likes and an 'Invite Friends' button, an 'About' section with a 'Promote Website' button, and a 'Page transparency' section. A small profile card for Ismo Kauppi is also visible on the right.

<https://www.facebook.com/sdrplay>



Community Support:
Facebook Group (13000+ members)
& SDRplay forum



www.facebook.com/groups/sdrplay

<https://www.facebook.com/groups/sdruno/>

+ New in 2020: [SDRPlayUsers@groups.io](https://www.facebook.com/groups/sdruno/) forum

SDRplay Users

Forum

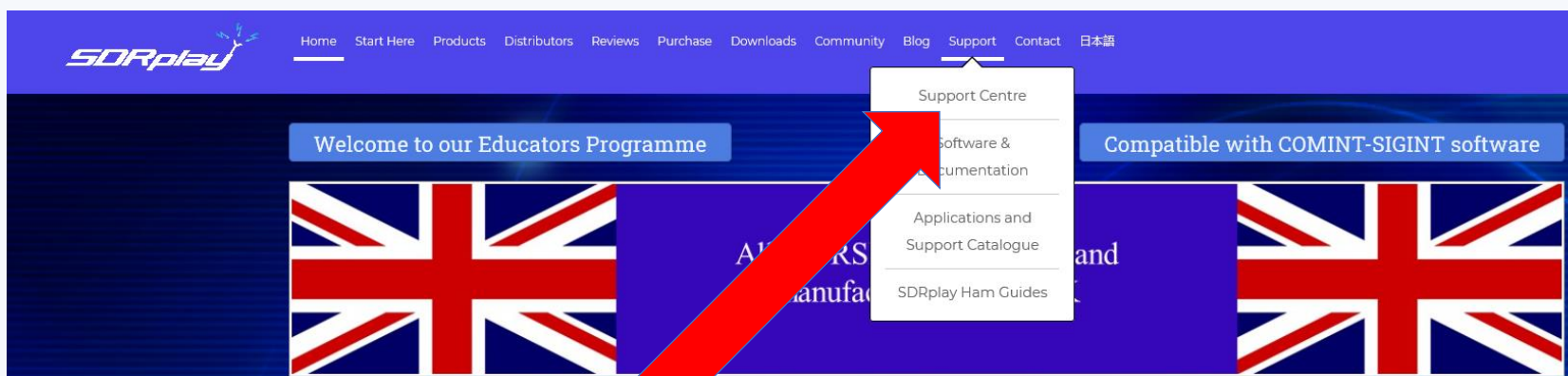
[SDRPlay Independent Community Forum](#) > Forums

Forum	Topics	Posts
SDRplay News Announcements on SDRPlay news will be posted here by the Admin team	2	2
General General Discussions and suggestions for categories	14	67
SDRPlay Devices RSP1, RSP1a, RSP2, RSP Pro, RSPDuo related content	3	9
SDRUno Information and questions on SDRUno	8	25
SDR Software (RSP Compatible) Software that is compatible or can integrate with SDRplay Devices	4	13
SDR Antennas Question or information on Antennas for use with SDRplay devices	4	17
S1b File Sharing Files for SDRUno	2	2

sdrplayusers.net/forum



Direct support from SDRplay



Check SPAM folders!
Send screenshots

